

04/14/97



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April 14, 1997

Assistant Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Re: New Patent Application  
For: COMPUTERIZED METHOD OF DISPLAYING  
A SELF-READING CHILD'S BOOK

Applicant: Alfred E. Hall  
B. Gary Smith

Attorney's Docket No.: AEHPERS

Enclosed for filing are the following papers relating to the above-identified application for patent:

- Specification (12 pages), Claims (3 pages), and Abstract (1 page) -  
(Total pages: 16)
- Combined Declaration and Power of Attorney (6 pages)
- Informal (4 sheets)
- Verified Statement Claiming Small Entity Status  
-- Independent Inventor

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Assistant Commissioner for Patents  
 April 14, 1997  
 Page 2

## SMALL ENTITY

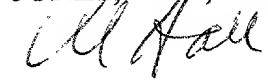
CLAIMS AS FILED				
	Number Filed	Number Extra	Rate	Fee
Total Claims:	7 (-20 =)	-0-	x11.00	-
Independent Claims:	1 (- 3 =)	-0-	x40.00	-
Mult. Dependent Claim:			x130.00	
Basic Fee:				<u>\$385.00</u>
Total Filing Fee				\$385.00

Please file the application. All correspondence is to be directed to the Applicant's attorney at the address set forth in the Declaration and Power of Attorney for Patent Application.

Please charge the required fee of \$385.00 to the Jones, Day, Reavis & Pogue Deposit Account 10-1202. A duplicate of this sheet is enclosed for such purpose.

Respectfully submitted,

JONES, DAY, REAVIS & POGUE



Alfred E. Hall  
 Reg. No. 24,099

Enclosures



HALL

PATENT

**COMPUTERIZED METHOD OF DISPLAYING  
A SELF-READING CHILD'S BOOK**

**INVENTORS: ALFRED E. HALL  
B. GARY SMITH**

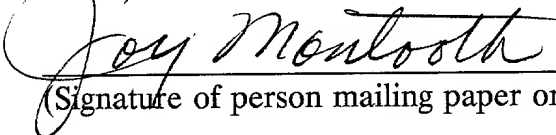
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## COMPUTERIZED METHOD OF DISPLAYING A SELF-READING CHILD'S BOOK

### BACKGROUND OF THE INVENTION

#### 1. FIELD OF THE INVENTION

The present invention relates in general to children's books and in particular to a child's book that can be displayed on a display medium such as a television screen and that is self-reading when a child moves a cursor to a visual indicator associated with each of said words in sequence.

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## 2. DESCRIPTION OF RELATED ART INCLUDING INFORMATION DISCLOSED UNDER 37 CFR 1.97 AND 1.98

There are many different types of electronic books and cards existing in the marketplace today. In commonly owned U.S. Patent No. 5,538,430 entitled "Self-Reading Child's Book" and issued July 23, 1996, and incorporated herein by reference in its entirety, there has been disclosed a child's book that has at least one book page having a plurality of sequentially associated indicia thereon with a light or other visual indicator associated with each of the indicia such that the visual indicators are sequentially energized by the child touching the area adjacent the visual indicator and causing the corresponding sound from a speech synthesizer that is an audible representation of that indicia. Thus the book will make an audible representation of each indicia in sequence as the child touches a visual indicator associated with the indicia.

It would be advantageous to have a child's book stored on an electronic storage medium such that it could be displayed on a display medium such as a television screen or personal computer display screen with the sequential words forming the story and with a visual indicator under at least the first word in the sequence of printed words on the display medium such that a child could cause the book to be self-reading simply by moving a cursor or other device in association with a visual indicator associated with each word in the sequence to activate a speech synthesizer to audibly state the word.

## SUMMARY OF THE INVENTION

In the present invention, the sequential words of at least one child's book is stored on a data storage medium such as a CD-Rom in the form of a floppy disk or the like for use with a PC or a cartridge-type storage medium that is inserted in a slot in a control device. Also, an input from a telephone line or cable coaxial line into a modem, which could be part of the PC or the cable head end, could be used to supply the data forming the child's book. Such control device is coupled to the television set thus providing a display output including sequential words and having associated audible representations stored on the cartridge-type storage medium. When the child moves a cursor (such as with buttons, levers, mouse, or other control device) relative to the visual indicator, an audible representation of that word is sounded. A software program causes the visual indicator to be automatically and sequentially moved from one word to the next beginning with the first word in the story as each word is audibilized by movement of the cursor until all of the words of the child's book are read.

In the preferred embodiment, a plurality of children's books are stored on one storage medium such that the first representation on the display screen is a cover sheet of each of the child's books stored on the storage medium so that the child can select a desired book with a cursor in the conventional manner.

A PC computer can be used with the sequential words and associated audible representations of each word being stored on a CD-Rom such as a floppy disk with the necessary control program. The PC display screen can be used as the display medium and a mouse can control the cursor as is well known in the art to generate signals for moving the cursor relative to the visual

indicator and cause the audible representation of the word associated with the visual indicator.

Again, the data representing the sequential words and associated audible representations of each word and the software program can be downloaded  
5 from a remote source over telephone lines.

Thus, it is an object of the present invention to provide a computerized display of a self-reading child's book.

It is another object of the present invention to provide a display of a self-reading child's book on a conventional television set through a cartridge device  
10 storing the program and indicia, such as words, in combination with the associated speech synthesizer data.

It is yet another object of the present invention to provide a display of a self-reading child's book on a PC (personal computer) with the pertinent program and data stored on a CD-ROM.

It is still another object of the present invention to provide a display of  
15 a self-reading child's book on a PC with the pertinent program and data being transferred to the PC via telephone lines.

Thus the present invention relates to a method of displaying a child's book for self-reading by a child comprising the steps of storing the sequential  
20 words of at least one child's book on a data storage medium, storing an associated audible representation of each of said words on said data storage medium, displaying the stored words on a display medium, displaying a visual indicator under at least the first word in the sequence of the printed words on the display medium, moving a cursor on the screen relative to the visual  
25 indicator to cause the audible representation of the word associated therewith to be audibilized, and automatically and sequentially moving the visual indicator from one word to the next beginning with the first word as each word

is audibilized by movement of the cursor until the words of the child's book are read.

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## BRIEF DESCRIPTION OF THE DRAWINGS

These and other features of the present invention will be more fully disclosed when taken in conjunction with the following DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT(S) in which like numerals represent like elements and in which:

5           FIG. 1 is a schematic representation of one apparatus used in performing the method of the present invention including a television set, a Nintendo®-type control device coupled to a selector switch that enables either the normal television signals to be displayed or the output signals of the control device representing the child's book to be displayed;

10           FIG. 2 illustrates a cartridge-type storage medium for insertion in a slot in the control device of FIG. 1 containing data and a program that causes the words of at least one child's book to be displayed on the television screen when the control device is coupled thereto;

15           FIG. 3 is a plan view of a display screen illustrating one version of the invention in which a plurality of covers of stored children's books appear on the display screen for selection by a child;

            FIG. 4 illustrates a page of a particular book selected by the child as it appears on the display after selection; and

20           FIG. 5 is a schematic representation of a PC system utilizing a CD-Rom as the storage medium and a mouse for controlling the cursor position and also illustrating a telephone line coupled to the PC for providing data to the PC for display of a self-reading child's book.

**DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT(S)**

One embodiment of the apparatus for use in performing the method of the present invention is illustrated in FIG. 1. The system 10 includes a switch 12 that selectively couples an antenna 14 or a control device 16 to a television set 18. Such system is, of course, well known in the art and includes a display screen 19 on which visual representations are illustrated. The switch 12 has a device 20 that can be used to connect the television set 18 either to the antenna 14 or to the control device 16 containing the child's book.

The control device 16 operates in a manner similar to Nintendo®-type devices, well known in the art and will not be described in detail. Suffice it to say that a cartridge, as shown in FIG. 2 containing a program for generating at least one but preferably a plurality of child's books from data stored therein preferably in the form of digital data, can be inserted in slot 22 and, when the control device 16 is turned ON, the television set 18 will display on its screen 19 a format such as that shown in FIG. 3 if data representing a plurality of books is stored on the cartridge-type storage device. By maneuvering a cursor 44 on the screen (see FIG. 3) with cursor control lever 24, a particular book to be read can be selected and then switch 26 activated to select that book. Clearly, to create a program for forming a display screen such as shown in FIG. 3 and FIG. 4 is within the purview of one skilled in the art and will not be set forth here in detail.

The cartridge-type storage medium 28 shown in FIG. 2 may have a plurality of pictures 30, 32, 34, 36, 38, and 40 on the face thereof to enable the user to identify the particular books that are electronically stored in the cartridge 28. The pictures, of course, may be well-known representations of children's stories that a child would recognize.

When the cartridge 28 of FIG. 2 is inserted in slot 22 of the control device 16 and the control device turned ON, and when the selector switch 12 is set to have the television set 18 coupled to the control device 16, there will appear on the screen 19 of the television set 18 the format illustrated in FIG. 3. There are shown the cover or title pages of the six books 30, 32, 34, 36, 38, and 40. Of course, only one book could be stored in a cartridge 28, if desired. Associated with each of the titles may be a space 42 which has pictures that a child could recognize to identify the book. Such figures could include cartoon characters, Cinderella, Snow White, and the like. The child can then move cursor control 24 on control unit 16 shown in FIG. 1 until the cursor 44 shown in FIG. 3 is on any particular square representing a particular book. For instance, if the cursor 44 shown in FIG. 3 were left in its position as shown, then the book "Jack and Jill" would appear on the display screen. If the cursor were moved to block 32, "Mary Had a Little Lamb" and activated such as by pressing switch 26 in FIG. 1, then the screen shown in FIG. 4 would appear.

As shown in FIG. 4, the book 46 is represented by a plurality of pages 48 and 50, only part of page 48 being shown. However, it is to be understood that only one page may be shown by itself. The book 46 has thereon lines of words 52 that are sequentially ordered. Thus, for example, line 52 reads "Mary had a little lamb" and associated with the first word is a visual indicator 53. The visual indicia could include an indicator such as 54 and 60 under every word on the page with only the first one having some peculiar indication such as flashing, blinking, or the like to attract a child's attention. In the preferred embodiment, only one visual indicator 53 appears under the first word as shown. In this case, it is under the word "Mary". A cursor 55 is shown on the screen 19 and may be moved by the child by means of control 24 (in FIG. 1) or a mouse (in FIG. 5), in the event of use with a PC. If it is moved to

position 57 contacting the visual indicator 53 as shown and a switch, such as a mouse switch, is depressed or activated, the stored program causes the word "Mary" to be audibilized. The indicia 53 then automatically disappears under the word "Mary" and is moved by the program under the word "had". The child then moves the cursor 55 to the visual indicator now under "had", presses the switch, and that word is audibilized. The sequence continues until the end of the line where the visual indicator 54 appears under the word "lamb". By associating the cursor 57 with visual indicator 54, the word "lamb" is audibilized. In this manner the entire book may be read down to the last word "go" on that page where the visual indicator 60 appears. The program, of course, could cause the word to be audibilized just by moving the cursor in contact with, or in some predetermined relationship to, the visual indicator. The purpose of the visual indicator is to cause the child to look at the word being audibilized. Instead of having the visual indicator under a word, the entire word could be caused to blink and thus be the visual indicator associated with each word.

As each word is identified by the visual indicator 53, and the cursor 57 is associated with the indicator as shown, the word is audibilized. Thus, the child is looking at the word at the time it is audibilized enabling a visual recognition of the word as it is sounded.

Once a child has learned how to read the words somewhat, if desired, the child may move the cursor 55 to contact visual indicator 56 designated by the letter "L" and thus indicating "line". In this case, the visual indicator 58 at the beginning of the line "Mary had a little lamb" is activated in some fashion to attract the child's attention. Again, it may be a flashing indicator or the like. By moving the cursor 55 to associate with visual indicator 58, an entire line is read, "Mary had a little lamb." Then the visual indicator 58 disappears and appears at 62 at the beginning of the second line. The child may move the

cursor 55 to associate with visual indicator 62 and the second line is read. This may be continued through the last line where the visual indicator 64 appears and the cursor 55 may be associated with it and the last line, "lamb was sure to go" is audibilized. This procedure is followed in sequence such that the child, simply by placing the cursor in association with the visual indicator at the beginning of each line in sequence, can read the page a line-at-a-time.

The same format may be used with the visual indicator 60 having a "P" therein to indicate page. If the child associates the cursor 55 with the visual indicator 60, the entire page is read.

Of course, this same operation can be applied to any type of sequential indicia such as the alphabet, A-Z, or the notes of a musical scale.

In this manner the child moves the cursor to the visual indicator associated with each word or indicia and that word or indicia is sounded and then the visual indicator automatically moves to the next sequential indicia where the same process can be repeated. This allows the child to associate the sound with the particular word thus enabling much faster learning of how to read, or identify letters of the alphabet, or musical notes, and the like.

As stated earlier, the visual indicator 53 may be of any well-known type to attract a child's attention. If the monitor is in color, it could be a particular color word. If the monitor is black and while, it could be a flashing dot or other symbol associated with a word. If only one visual indicator is to be used, it could simply be a circle, square, or any other geometric shape desired or the word itself could flash or otherwise be made prominent. It is understood, however, that that indicia, whatever chosen, will automatically move in sequence from each word to the next as a word is sounded.

If desired, the present system can be used with a personal computer (PC) as illustrated in FIG. 5. The system 66 shown in FIG. 5 includes the computer

68 having a display screen 70 and connected thereto is a hard drive 72 that can take a computer disk 74 and download the contents thereof to the personal computer 68. A mouse 76 can be used to control movement of a cursor 77 on the screen 70. A mouse key 78 may be used to activate the sounding of a word when the cursor 77 is associated with the visual indicator such as indicator 53 in FIG. 4. In addition, a telephone line or coaxial cable 80 may be connected to a remote source, not shown, that transmits the programmed data to the PC when it is accessed in the normal fashion and the book read as previously described.

Thus there has been disclosed a novel method of displaying a self-reading child's book on a television or personal computer display screen and providing visual indicators associated sequentially with each word beginning with the first word such that the child can position a cursor so as to be associated with the visual indicator representing the first word, cause the first word to be sounded, and the visual indicator automatically moved sequentially from one word to the next and the process repeated so that the book can be read. The system can be used with any computer and display screen including personal computers and associated CD-ROM's or typical television sets using a Nintendo®-type control unit having an insertable cartridge-type storage medium that contains the data representing the books. In addition, the data may be received over a telephone line in a manner well known in the art.

Clearly, with such a system, a computer program could be developed to highlight any indicia on a display screen in any order desired such that the child could be prompted to activate the highlighted indicia to have a predetermined message read to the child.

The novel method of the present invention is intended to teach a child about any group of elements, words, places, or things displayed on a display medium so long as they are done in sequence with the primary purpose of

teaching the child to learn to read by visually selecting a given word and listening to the pronunciation of the word selected.

5       The corresponding structures, materials, acts, and equivalents of all means or step plus function elements in the claims below are intended to include any structure, material, or act for performing the function in combination with other claimed elements as specifically claimed.

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## WHAT IS CLAIMED IS

1. A method of displaying a child's book for self-reading by a child comprising the steps of:

receiving data, with a computer system, that represents both the sequential words of at least one child's book and an associated audible representation of each of said words;

displaying said sequential words on a display medium forming part of said computer system;

displaying a visual indicator associated with said first word in said sequence of printed words on said display medium;

moving a cursor on said screen relative to said visual indicator to cause said audible representation of said word to be audibilized; and

automatically and sequentially moving said visual indicator from one word to the next, beginning with said first word, as each word is audibilized by movement of said cursor until the words of said child's book are read.



2. The method of claim 1 further comprising the steps of:  
storing said data representing both said sequential words and said  
associated audible representations of each word on a CD-ROM for  
transmission to said computer system; and  
5 storing a program in said computer system for enabling said words  
and associated audible representation to be sequentially selected for  
audibilization.
3. The method of claim 2 further comprising the steps of:  
using a PC display screen as said display medium; and  
using a cursor control device for generating signals that are coupled  
to said PC display screen for moving said cursor relative to said visual  
5 indicator and cause said audible representation of said word associated with  
said visual indicator.
4. The method of claim 1 further including the steps of:  
storing said data representing both said sequential words and  
associated audible representations of a plurality of children's books and a  
corresponding program on a single storage medium; and  
5 selecting data representing any one of said children's books for  
display on said display medium.
5. The method of claim 1 further including the step of providing a  
television set with a display screen as said display medium, said television set  
having a normal signal input and an optional input for receiving said data  
representing both said sequential words and associated audible representations  
5 and a program for controlling said computer system.

6. The method of claim 5 further including the steps of:  
 storing said sequential words and associated audible representations  
 on a cartridge-type storage medium;

5 inserting said cartridge-type storage medium in a slot in a control  
 device;

providing a data output from the control device representing both  
 said sequential words and associated audible representations stored on said  
 cartridge-type storage medium in accordance with a stored program;

10 a selector switch coupled between said television set, said normal  
 TV input signal, and said control device for enabling either said control device  
 output or said normal TV signal to be coupled to said television set such that  
 when said selector switch couples said control device output to said television  
 set, said sequentially ordered words and associated visual indicator appears on  
 said television display screen under the control of said program; and

15 providing user controls on said control device to move said cursor  
 relative to said visual indicator to cause said audible representation of said  
 word associated with said visual indicator.

7. The method of claim 6 further including the step of storing both the  
 sequential words and associated audible representations of a plurality of  
 children's books on a single cartridge-type storage medium.

## **COMPUTERIZED METHOD OF DISPLAYING A SELF-READING CHILD'S BOOK**

### **ABSTRACT OF THE DISCLOSURE**

A method of displaying a self-reading electronic child's book on a display medium that displays a sequence of indicia, such as words, and having associated with the first indicia or word a visual indicator that may be associated with a cursor moved by a child to audibilize the indicia or word associated with the visual indicator and automatically cause the visual indicator to move under the next indicia or word in sequence to enable a book to be read by a child.

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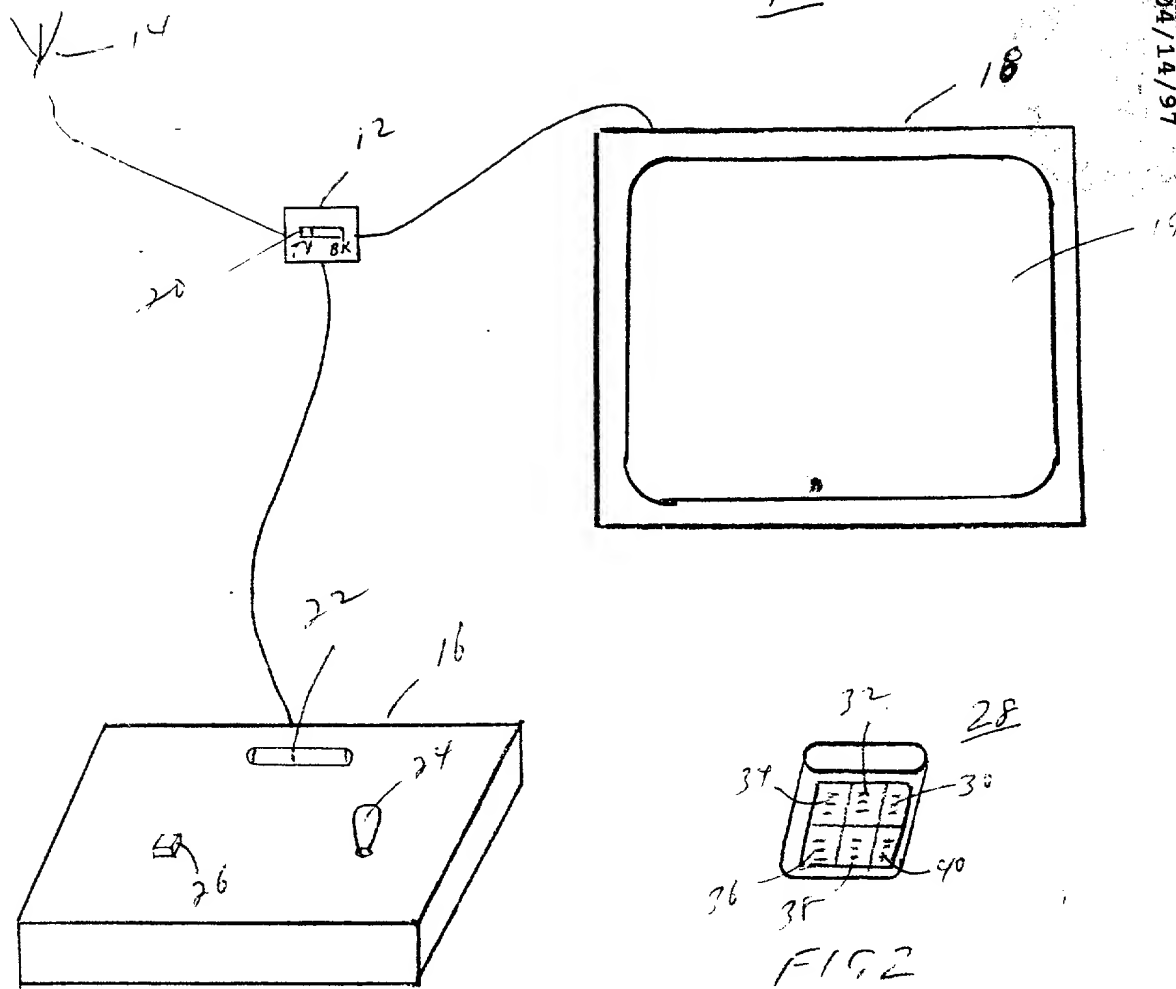


FIG 1

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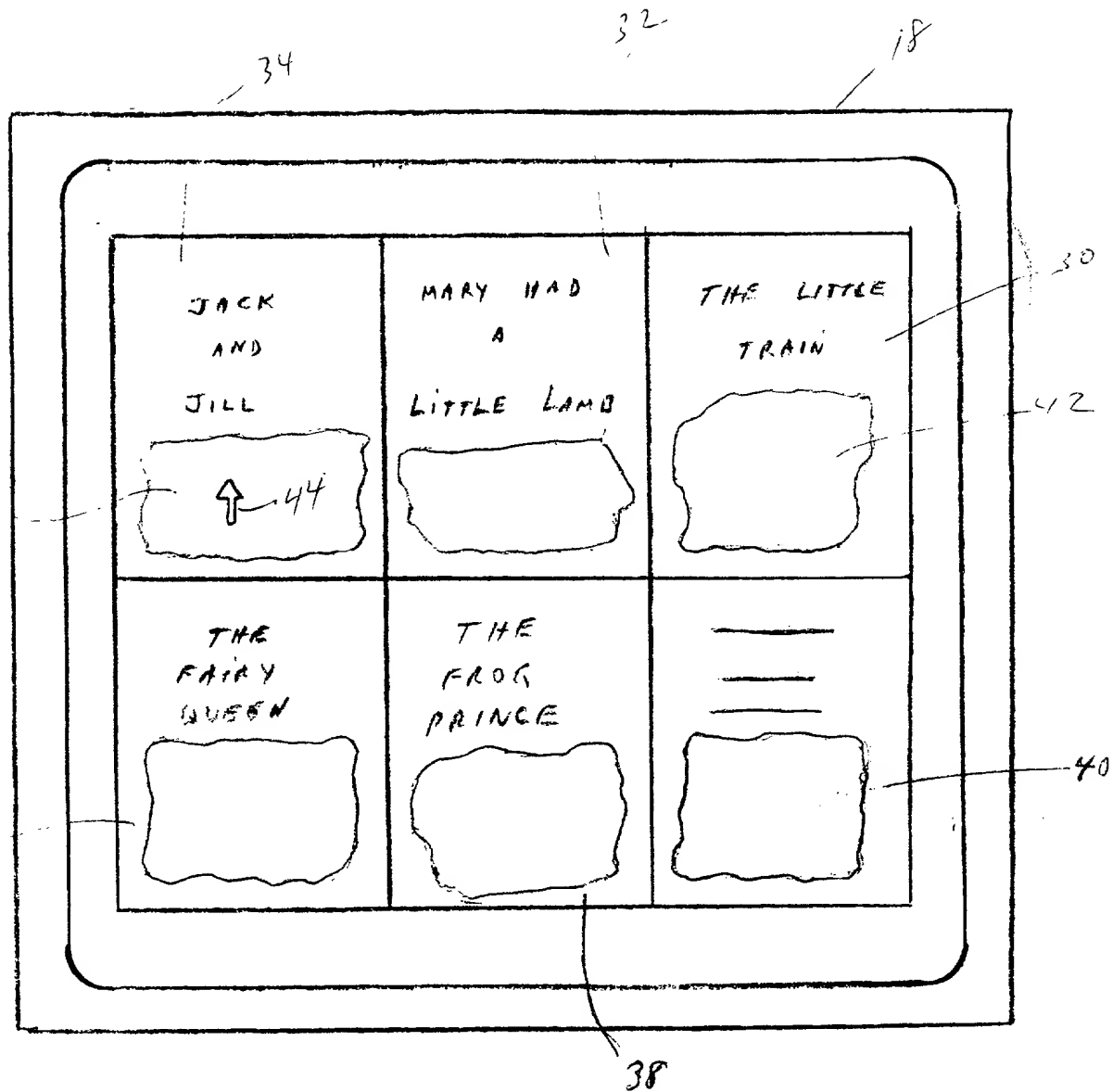
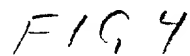


FIG 3

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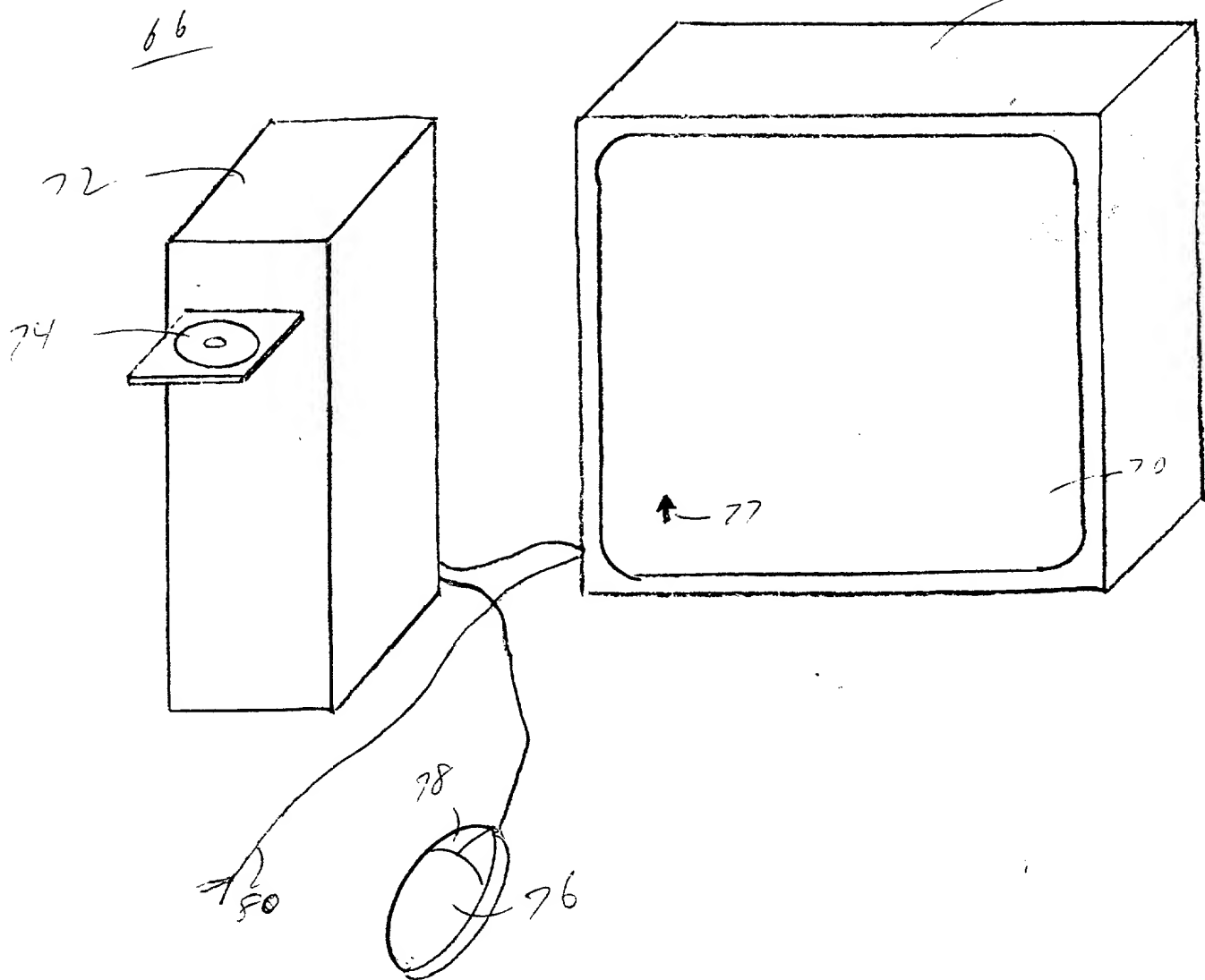


FIG. 5

**COMBINED DECLARATION AND POWER OF ATTORNEY**

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL,  
DIVISIONAL, CONTINUATION OR C-I-P)

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type: (check one applicable item below)

- ☒ original
- ☐ design
- ☐ supplemental

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.

- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part (C-I-P)

**INVENTORSHIP IDENTIFICATION**

**WARNING:** If the inventors are each not the inventors of all the claims, and explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (If only one name is listed below) or an original, first and joint inventor (If plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

**COMPUTERIZED METHOD OF DISPLAYING A SELF-READING CHILD'S BOOK**



### SPECIFICATION IDENTIFICATION

the specification of which: (complete (a), (b) or (c))

- (a) ☒ is attached hereto.  
(b) ☐ was filed on \_\_\_\_\_ as Serial No. 08/ \_\_\_\_\_  
or ☐ Express Mail No., as Serial No. not yet known \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

- (c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
\_\_\_\_\_ filed on \_\_\_\_\_ and  
as amended under PCT Article 19 on \_\_\_\_\_ (if any).

### ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information

- x which is material to patentability as defined in 37, Code of Federal Regulations,  
§ 1.56

(also check the following items, if desired)

- ☐ and which is material to the examination of this application, namely,  
information where there is a substantial likelihood that a reasonable examiner  
would consider it important in deciding whether to allow the application to  
issue as a patent, and  
☐ In compliance with this duty there is attached an information  
disclosure statement in accordance with 37 CFR 1.98.

### PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) ☒ no such applications have been filed.

(e) ☐ such applications have been filed as follows.

NOTE: Where item(c) is entered and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES      NO <input type="checkbox"/>
			<input type="checkbox"/> YES      NO <input type="checkbox"/>
			<input type="checkbox"/> YES      NO <input type="checkbox"/>
			<input type="checkbox"/> YES      NO <input type="checkbox"/>
			<input type="checkbox"/> YES      NO <input type="checkbox"/>

**ALL FOREIGN APPLICATIONS(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

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NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

**POWER OF ATTORNEY**

I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Alfred E. Hall (Reg. No. 24,099)

(check the following item, if applicable)

- ☐ Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representatives(s).

---

SEND CORRESPONDENCE TO

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2300 Trammell Crow Center  
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Dallas, Texas 75201

DIRECT TELEPHONE CALLS TO:  
(Name and telephone number)

Alfred E. Hall  
(214) 969-2975

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DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor

ALFRED E. HALL

Inventor's signature



Date

April 12, 1997

Country of Citizenship

U.S.A.

Residence 14943 HILLCREST ROAD, DALLAS, TEXAS 75248, U.S.A.

Post Office Address SAME AS ABOVE

Full name of second joint inventor, if any

B. GARY SMITH

Inventor's signature

B. Gary Smith

Date April 12, 1997 Country of Citizenship U.S.A.

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0833131-041497

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S)  
WHICH FORM A PART OF THIS DECLARATION

- ☐ Signature for fourth and subsequent joint inventors. Number of pages added \_\_\_\_\_.

\* \* \*

- ☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added \_\_\_\_\_.

\* \* \*

- ☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added \_\_\_\_\_.

\* \* \*

- ☐ Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time (37 CFR 1.47).

\* \* \*

- ☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☐ Number of pages added \_\_\_\_\_

\* \* \*

- ☐ Authorization of attorney(s) to accept and follow instructions from representative.

\* \* \*

(If no further pages from a part of this Declaration, then end this Declaration with this page and check the following item:)

X This declaration ends with this page.

ATTORNEY'S DOCKET NO.: AEHPERS

Applicant or Patentee: ALFRED E. HALL and B. GARY SMITH  
Serial or Patent No.: \_\_\_\_\_  
Filed or Issued: \_\_\_\_\_  
Title: COMPUTERIZED METHOD OF DISPLAYING A SELF-READING CHILD'S BOOK

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(b)) -- INDEPENDENT INVENTOR**

As below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in

- ☒ (X) the specification filed herewith with title as listed above.  
☐ ( ) the application identified above.  
☐ ( ) the patent identified above.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant or convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☒ (X) no such person, concern, or organization  
☐ ( ) persons, concerns or organizations listed below

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

☐ ( ) individual ☐ ( ) small business concern ☐ ( ) nonprofit organization

NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities 37 CFR 1.27.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

ALFRED E. HALL

B. GARY SMITH

NAME OF INVENTOR

NAME OF INVENTOR

NAME OF INVENTOR

*Alfred E. Hall*

*B. Gary Smith*

Signature of Inventor

Signature of Inventor

Signature of Inventor

*April 12, 1997*

*April 12, 1997*

Date

Date

Date